



OE/RR Patch 49

Installation & Implementation Guide

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Department of Veterans Affairs
Technical Services
Computerized Patient Record System Product Line

Revision History

Date	Page	Change
10/15/98	1	Added explanation of PSS*1*14
10/20/98	1	Added XU*8*92 as required patch
10/22/98	40	Added description of Enter/edit actions
10/22/98	1	Added PSN*3*5 and NDF 3.18 as required software
11/2/98	49	Added new option, List Primary Order Menus
12/30/98	Throughout	Various edits & updates, per SQA review; e.g., removal of <i>Assign Primary Order Menu</i> as an option available with this patch (not available until installation of CPRS)
1/28-1/29	3, 8, throughout	More updates, per SQA review and new build and install captures.
2/15/99	throughout	More updates, per 2nd SQA review
3/8/99	throughout	More updates, per SQA review

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I. Pre-Install

■ Purpose of Patch 49

OE/RR Patch 49 is installed before CPRS to help prepare for CPRS implementation. This patch lets you start converting menus, options, protocols, quick orders, and order sets used in OE/RR 2.5 to new CPRS files. A set of utility options lets you review your current protocols for possible problems and to estimate the global growth that will occur with CPRS.

If your site hasn't used OE/RR 2.5, you can still use options on the Order Menu Management menu (distributed with this patch, or on the CPRS Configuration Menu when CPRS is installed) to begin creating menus, quick orders, and parameters.

■ Estimated Installation Time

Cache: 6 minutes DSM: 3 minutes

■ Impact on users

It isn't necessary to take users off the system or to install during non-peak hours.

■ Software Requirements

Before installing Patch 49, the following packages should be installed and fully patched in the account where you plan to install CPRS.

Application Name	Minimum Version
Consult/Request Tracking Patch	V 2.5 GMRC*2.5*14
CMOP (if your site uses CMOP 1.0)	V 2.0
Dietetics Patch	V 5.0 FH*5*12
Inpatient Meds Patch	V 4.5 PSJ*4.5*42
Kernel Patch (XQOR)	V 8.0 XU*8.0*62 XU*8.0*92
Laboratory Patch	V 5.2 LR*5.2*121
National Drug File Patch	V. 3.18 PSN*3.18*5
Order Entry/Results Reporting	V 2.5
Pharmacy Data Management (fully implemented) Patch	V 1.0 PSS*1.0*5
Radiology/Nuclear Medicine Patch	V 4.5 RA*4.5*11
Scheduling	DG*5.3*57
Toolkit XPAR patch	V 7.3 XT*7.3*26

■ Pharmacy Data Management Requirements

Patch PSS*1*14 is not required, but is recommended because it creates a new Pharmacy Data Management option, *Pharmacy quick order* correction for CPRS [PSS QUICK1], which allows the pharmacy quick orders that weren't converted to be manually corrected and converted to quick orders. The invalid data in each quick order is shown with a prompt to correct the item. This option is not distributed on any menu, but should be assigned to the appropriate person in pharmacy who can make decisions about editing these quick orders.

Before installing Patch 49, make sure that you've run and completed the two Pharmacy Data Management module options (listed below) that populate the Pharmacy Orderable Item file. It might take several days, but they must be completed or the installation will abort. See the PDM User Manual for more detailed information.

Create Pharmacy Orderable Items

This option actually populates the PHARMACY ORDERABLE ITEM file (#50.7). Links to files 50 (DRUG), 52.6 (IV ADDITIVES), and 52.7 (IV SOLUTIONS) will be established.

Manually Match Dispense Drugs

This option steps you through the IV ADDITIVES file (#52.6), the IV SOLUTIONS file (#52.7), and the DRUG file (#50), and presents unmatched entries to be matched. Dispense Drugs that are not marked with an I, O, or U in the Application Packages' Use field will be excluded from this option.



NOTE: Keep using this option until all drugs are matched. A check will be done every time this option is exited to see if the matching process is complete.

If PDM and these options aren't completed when the Patch 49 does its environment check, you'll get the message:

The Manual Matching Process for Orderable Items in Pharmacy Data Management has not been completed!
OR*2.5*49 Build will not be installed, Transport Global deleted!

■ Patch 49 Files and Globals

File #	File Name	Global	Journal	Protection
100.98	DISPLAY GROUP	^ORD(100.98,		
100.99	ORDER PARAMETERS	^ORD(100.99,		RWP or D
101.41	ORDER DIALOG	^ORD(101.41,		RWP or D
101.42	ORDER URGENCY	^ORD(101.42,		
101.43	ORDERABLE ITEMS	^ORD(101.43,		
8989.51	PARAMETER DEFINITION	^XTV(8989.51,		

■ Routines exported with Patch 49

ORCD	ORCDFH	ORCDFHTF	ORCDGMRA	ORCDGMRC
ORCDLG	ORCDLG1	ORCDLG2	ORCDLGH	ORCDLR
ORCDLR1	ORCDPS	ORCDPSIV	ORCDRA	ORCDRA1
ORCHANG1	ORCK101	ORCMEDIT	ORCMEDT1	ORCMEDT2
ORCMEDT3	ORCMEDT4	ORCMEDT5	ORCONV0	ORCONV1
ORCONV2	ORCONVRT	ORDD41	ORDD43	ORMFN
ORSET98	ORSETUP	ORSETUP1	ORXD	ORXP

■ Load the distribution for Patch 49

Select the *Installation* option on XPD MAIN. Choose the option *Load a distribution*. Enter OR_25_49.KID for the Host File.

```
Select Kernel Installation & Distribution System Option: INstallation

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution

Select Installation Option: LOAD a Distribution
Enter a Host File: D:\ANONYMOUS\OR_25_49.KID

KIDS Distribution saved on Feb 25, 1999@05:51:29
Comment: OR*2.5*49)

This Distribution contains Transport Globals for the following Package(s):
OR*2.5*49

Want to Continue with Load? YES// <Enter>
Loading Distribution...

Want to RUN the Environment Check Routine? YES// <Enter>
OR*2.5*49
Will first run the Environment Check Routine, ORSETUP
Use INSTALL NAME: OR*2.5*49 to install this Distribution.
```

- **(optional) Print a list of package components with the KIDS *Build File Print* option** if you would like a complete listing of package components (e.g., files, routines, and options) exported with this software.

Example

```
Select Utilities Option: Build File Print
Select BUILD NAME: OR*2.5*49 ORDER ENTRY/RESULTS REPORTING ORDER
ENTRY/RESULTS REPORTING
DEVICE: HOME// 0;80;999999 TELNET
```

PACKAGE: OR*2.5*49 Jan 29, 1999 8:28 am PAGE 1

```
TYPE: SINGLE PACKAGE
TRACK NATIONALLY: YES
NATIONAL PACKAGE: ORDER ENTRY/RESULTS REPORTING
DESCRIPTION:

ENVIRONMENT CHECK : ORSETUP
PRE-INIT ROUTINE : PRE^ORSETUP
POST-INIT ROUTINE : POST^ORSETUP
PRE-TRANSPORT RTN :
```

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS	USER OVER RIDE
100.98	DISPLAY GROUP	YES	YES	NO			
100.99	ORDER PARAMETERS	YES	YES	NO			
101.41	ORDER DIALOG	YES	YES	YES	REPL	YES	NO
101.42	ORDER URGENCY	YES	YES	YES	REPL	NO	NO
101.43	ORDERABLE ITEMS	YES	YES	NO			
8989.51	PARAMETER DEFINITION	NO	NO	YES	REPL	YES	NO
DATA SCREEN: I (\$E(^0),1,2)="OR")!(\$E(^0),1,2)="LR")!(\$E(^0),1,2)="RA")							

```
INPUT TEMPLATE:
  OR EDIT      FILE #100.98          SEND TO SITE
  OR MEMBER    FILE #100.98          SEND TO SITE

BULLETIN:
  OR CONVERSION ERRORS              SEND TO SITE

ROUTINE:
  ORCD                      SEND TO SITE
  ORCDFH                    SEND TO SITE
  ORCDFHTF                  SEND TO SITE
  ORCDGMRA                  SEND TO SITE
  ORCDGMRC                  SEND TO SITE
  ORCDLG                    SEND TO SITE
  ORCDLG1                   SEND TO SITE
  ORCDLG2                   SEND TO SITE
  ORCDLGH                   SEND TO SITE
  ORCDLR                    SEND TO SITE
  ORCDLR1                   SEND TO SITE
```


Build File Print, cont'd

ORCDPS	SEND TO SITE
ORCDPSIV	SEND TO SITE
ORCDRA	SEND TO SITE
ORCDRA1	SEND TO SITE
ORCHANG1	SEND TO SITE
ORCK101	SEND TO SITE
ORCMEDIT	SEND TO SITE
ORCMEDT1	SEND TO SITE
ORCMEDT2	SEND TO SITE
ORCMEDT3	SEND TO SITE
ORCMEDT4	SEND TO SITE
ORCMEDT5	SEND TO SITE
ORCONV0	SEND TO SITE
ORCONV1	SEND TO SITE
ORCONV2	SEND TO SITE
ORCONVRT	SEND TO SITE
ORDD41	SEND TO SITE
ORDD43	SEND TO SITE
ORMFN	SEND TO SITE
ORSET98	SEND TO SITE
ORSETUP	SEND TO SITE
ORSETUP1	SEND TO SITE
ORXD	SEND TO SITE
ORXP	SEND TO SITE
OPTION:	
ORCM ACTIONS	SEND TO SITE
ORCM CONVERSION UTILITIES	SEND TO SITE
ORCM CONVERT MENUS	SEND TO SITE
ORCM ESTIMATE	SEND TO SITE
ORCM FIND PROTOCOL	SEND TO SITE
ORCM MENU	SEND TO SITE
ORCM MGMT	SEND TO SITE
ORCM ORDER SETS	SEND TO SITE
ORCM ORDERABLES	SEND TO SITE
ORCM ORDERS	SEND TO SITE
ORCM PROMPTS	SEND TO SITE
ORCM PROTOCOLS	SEND TO SITE
ORCM QUICK ORDERS	SEND TO SITE
ORCM REVIEW PROTOCOLS	SEND TO SITE
ORCM SEARCH/REPLACE	SEND TO SITE
PROTOCOL:	
FH EVSEND OR	MERGE MENU ITEMS
FH ORDERABLE ITEM UPDATE	MERGE MENU ITEMS
FH RECEIVE	ATTACH TO MENU
GMRA RECEIVE	ATTACH TO MENU
GMRC EVSEND OR	MERGE MENU ITEMS
GMRC ORDERABLE ITEM UPDATE	MERGE MENU ITEMS
GMRC RECEIVE	ATTACH TO MENU
LR70 AP EVSEND OR	MERGE MENU ITEMS
LR70 AP RECEIVE	ATTACH TO MENU
LR70 BB EVSEND OR	MERGE MENU ITEMS
LR70 BB RECEIVE	ATTACH TO MENU
LR70 CH EVSEND OR	MERGE MENU ITEMS
LR70 CH RECEIVE	ATTACH TO MENU
LR70 ORDERABLE OR	MERGE MENU ITEMS
OR EVSEND DGPM	MERGE MENU ITEMS
OR EVSEND FH	MERGE MENU ITEMS
OR EVSEND GMRA	MERGE MENU ITEMS
OR EVSEND GMRC	MERGE MENU ITEMS
OR EVSEND LRAP	MERGE MENU ITEMS
OR EVSEND LRBB	MERGE MENU ITEMS
OR EVSEND LRCH	MERGE MENU ITEMS
OR EVSEND ORG	MERGE MENU ITEMS
OR EVSEND PS	MERGE MENU ITEMS

Build File Print, cont'd

OR EVSEND RA	MERGE MENU ITEMS
OR ITEM RECEIVE	SEND TO SITE
OR RECEIVE	SEND TO SITE
ORCM ACTIONS	SEND TO SITE
ORCM ADD	SEND TO SITE
ORCM ADD ITEMS	SEND TO SITE
ORCM ADD ROW	SEND TO SITE
ORCM ADD TEXT	SEND TO SITE
ORCM DIALOGS	SEND TO SITE
ORCM EDIT	SEND TO SITE
ORCM EDIT ITEMS	SEND TO SITE
ORCM EDIT MENU	SEND TO SITE
ORCM EDIT POSITION	SEND TO SITE
ORCM MENU	SEND TO SITE
ORCM NEW MENU	SEND TO SITE
ORCM ORDER SETS	SEND TO SITE
ORCM ORDERABLES	SEND TO SITE
ORCM ORDERS	SEND TO SITE
ORCM PROMPTS	SEND TO SITE
ORCM PROTOCOLS	SEND TO SITE
ORCM QUICK ORDERS	SEND TO SITE
ORCM REMOVE	SEND TO SITE
ORCM REMOVE ITEMS	SEND TO SITE
ORCM REMOVE ROW	SEND TO SITE
ORCM VIEW INT/EXT	SEND TO SITE
PS EVSEND OR	MERGE MENU ITEMS
PS MFSEND OR	MERGE MENU ITEMS
PS RECEIVE OR	ATTACH TO MENU
RA EVSEND OR	MERGE MENU ITEMS
RA ORDERABLE ITEM UPDATE	MERGE MENU ITEMS
RA RECEIVE	ATTACH TO MENU
VALM QUIT	ATTACH TO MENU
LIST TEMPLATE:	
OR MENU EDITOR	SEND TO SITE
REQUIRED BUILDS:	
XU*8.0*62	ACTION:
DG*5.3*57	Don't install, leave global
PSJ*4.5*42	Don't install, leave global
LR*5.2*121	Don't install, leave global
RA*4.5*11	Don't install, leave global
XT*7.3*26	Don't install, leave global
PSS*1.0*5	Don't install, leave global
GMRC*2.5*14	Don't install, leave global
FH*5.0*12	Don't install, leave global
XU*8.0*92	Don't install, leave global
PSN*3.18*5	Don't install, leave global
Build File Print	
Install File Print	
Convert Loaded Package for Redistribution	
Display Patches for a Package	
Purge Build or Install Files	
Rollup Patches into a Build	
Update Routine File	
Verify a Build	
Verify Package Integrity	

■ Verify Checksums in the transport global.

Run the option *Verify Checksums in Transport Global* to verify that all routines have the correct checksum. If there are any discrepancies, do not run the *Install Package(s)* option. Instead, run the *Unload a Distribution* option to remove the Transport Global from your system. Log a NOIS and/or call the national Help Desk and report the problem.

```
Select Installation Option: 2  Verify Checksums in Transport Global
Select INSTALL NAME:      OR*2.5*49      Loaded from Distribution
Loaded from Distribution  1/29/99@08:16:30
=> OR*2.5*49 ;Created on Jan 27, 1999@08:32:39
DEVICE: HOME// <Enter>  TELNET

PACKAGE: OR*2.5*49      Jan 29, 1999 8:21 am      PAGE 1
-----

35 Routine checked, 0 failed.
```

■ Back up all systems.

II. Installation Instructions

■ Install Patch 49.

Installation Example

```
Select Installation Option: INstall Package(s)
Select INSTALL NAME:      OR_25_49.KID          Loaded from Distribution   Loaded from
Distribution Feb 25, 1999@05:51:29
=> OR*2.5*49 ;Created on Feb 25, 1999@05:11:21

This Distribution was loaded on Feb 25, 1999@05:51:29 with header of
OR*2.5*49 ;Created on Feb 25, 1999@05:51:29
It consisted of the following Install(s):
OR*2.5*49

    OR*2.5*49
Will first run the Environment Check Routine, ORSETUP

Install Questions for OR*2.5*49

Incoming Files:

    100.98      DISPLAY GROUP
Note:  You already have the 'DISPLAY GROUP' File.

    100.99      ORDER PARAMETERS
Note:  You already have the 'ORDER PARAMETERS' File.

    101.41      ORDER DIALOG   (including data)

    101.42      ORDER URGENCY  (including data)

    101.43      ORDERABLE ITEMS

    8989.51     PARAMETER DEFINITION (including data)
Note:  You already have the 'PARAMETER DEFINITION' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// <Enter>

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// <Enter>  TELNET

Install Started for OR*2.5*49 :
        Jan 29, 1999@08:22:18

Installing Routines:
        Jan 29, 1999@08:22:27

Running Pre-Install Routine: PRE^ORSETUP

Installing Data Dictionaries:

Data Dictionary for File #8989.51 not installed.
        Feb 25, 1999@05:51:29
```

Installation, cont'd

```
Installing Data: ...

Installing PACKAGE COMPONENTS:

Installing BULLETIN

Installing INPUT TEMPLATE

Installing PROTOCOL
  Located in the OR (ORDER ENTRY/RESULTS REPORTING) namespace.
  Located in the OR (ORDER ENTRY/RESULTS REPORTING) namespace.
  Located in the OR (ORDER ENTRY/RESULTS REPORTING) namespace.
  Located in the OR (ORDER ENTRY/RESULTS REPORTING) namespace.
  .
  .
  .
Installing LIST TEMPLATE

Installing OPTION
    Feb 25, 1999@05:51:40

Running Post-Install Routine: POST^ORSETUP

Populating Parameters file ...

Setting up Display Group file ...

Adding Consult/Request urgencies to Order Urgency file ...

Populating Orderable Items file .....

Updating Routine file...

Updating KIDS files...

OR*2.5*49 Installed.
    Feb 25, 1999@05:51:52

Install Message sent
Rebuilding Menus
Starting Menu Rebuild: Feb 25, 1999@05:51:56

Collecting primary menus in the New Person file...

                                Primary menus found in the New Person file
                                -----

OPTION NAME          MENU TEXT                                # OF      LAST      LAST
                                USERS        USED        BUILT

ORMGR                OE/RR Manager Menu
OR MAIN MENU NURSE   Nurse Menu
OR MAIN MENU CLINICIAN
                        Clinician Menu
DGMGR                MAS MANAGER
PSO MANAGER          Outpatient Pharmacy Manager

PSJI MGR             IV Menu

Building secondary menu trees....

Menu Rebuild Complete:  Jan 29, 1999@08:27:08

Install Completed
```

Unconverted Protocols

After installation, you may receive a bulletin such as the following. If so, see the next section for instructions on how to prepare these protocols for conversion.

```
Subj:OE/RR Version 3 Protocol File Conversion [#2642630] 27 Jan 99 16:07
From: ORDER ENTRY/RESULTS REPORTING in 'IN' basket.    Page 1
-----
```

The following x protocol(s) were not successfully converted to a new entry in the Order Dialog file (#101.41). Use options on the Order Menu Management Menu to correct or create dialogs for these protocols, if desired.

Protocol IEN	Protocol Name
2359	GMRVORQ0

Missing or invalid orderable item(s).

III. Setup Instructions

The setup steps for patch 49 in preparation for CPRS include:

- using options on the Protocol Conversion menu [ORCM CONVERSION UTILITIES] to prepare for conversion of menus to the new CPRS files
- conversion of menus
- using options on the Menu Management Menu to create or modify menus, quick orders, order sets, etc.

Protocol Conversion

Review the Protocol File, using *Review protocol file* [ORCM REVIEW PROTOCOLS] on the Protocol Conversion Utilities menu. After the PACKAGE file has been corrected, re-run the option.

Protocol Conversion Utilities Menu [ORCM CONVERSION UTILITIES]

Abbr	Option	Option Name	Description
RP	Review protocol file	ORCM REVIEW PROTOCOLS	This option queues three tasks to examine the PROTOCOL (#101) file for potential problems that may occur with the conversion of protocols to the ORDER DIALOG (#101.41) file. In addition a task is queued to examine the PACKAGE (#9.4) file for problems with the entries for packages that interface with CPRS. A report of each search is printed to a selected device.
CM	Convert Protocol Menus to Order Dialogs	ORCM CONVERT MENUS	This option converts “add order” protocol menus that are currently in use to the ORDER DIALOG (#101.41) file for use in CPRS. All items on the menus will be converted to this file as well. A mail message will be sent to the individual running the option regarding any protocols that could not be successfully converted.
FP	Locate protocols	ORCM FIND PROTOCOL	This option allows the Clinical Coordinator or IRM staff to see which protocols contain another protocol as an item. This option may be especially useful after the protocol conversion has completed. If one or more protocols must be recreated using the Order Menu Management tools, this option can be used to see where the recreated item should be replaced in the ORDER DIALOG (#101.41) file.
EG	Estimate global growth for CPRS	ORCM ESTIMATE	This option estimates the number of outpatient prescriptions that will be backfilled into the ORDER (#100) file upon installation of CPRS. This figure, along with the current number of entries in the ^OR global and the ^PSRX global, will be used to estimate the amount of global blocks that will be consumed by the installation of CPRS and the subsequent conversion of orders. NOTE: This is only an estimate. There are many variables that can affect the actual space consumption.
MM	Order Menu Management ...	ORCM MGMT	Options on this menu can be used for editing and modifying options and menus for CPRS.

Tasks triggered by ORCM REVIEW PROTOCOLS

- **Extended Action Order Set check**

Patch OR*2.5*49 will not convert order sets to the ORDER DIALOG (#101.41) file in the proper sequence if the COLUMN WIDTH field is defined for the specific protocol. This option checks all extended action protocols and reports any protocols with this problem. This is a common occurrence if an order set was created as a menu and then changed to an extended action protocol.

Corrective Action

Delete the entry in the COLUMN WIDTH field of the listed protocols. This will not affect the protocol and will keep a problem from occurring when converted to file 101.41.

- **Namespace check**

The conversion of protocols to the ORDER DIALOG (#101.41) file relies heavily on the national namespaces to convert quick orders. This check will identify protocols that belong to a national package, but begin with a namespace differing from that package.

Corrective action

For conversion of these quick orders to take place, make sure you use the name of the national namespace of the package to which it belongs.

- **Duplicate item check**

Generic orders in CPRS can't use the same item within an order dialog more than once. This check looks at all dialog-type protocols and lists any that have an item that is used more than one time in the ITEM multiple.

Corrective action

The duplicate item must be removed or replaced with a similar item with a different name.

- **Package file check**

This check looks at your PACKAGE file and makes sure that the packages required by CPRS are present, have the correct prefixes, and are not duplicated.

Corrective Action

Due to the variability of problems and the significance of the PACKAGE (#9.4) file to proper VISTA functioning, we recommend that you contact National VISTA Support for assistance in correction of any problems.

REMEMBER: After the PACKAGE file has been corrected, re-run the option, *Review protocol file* [ORCM REVIEW PROTOCOLS].

Protocol Menu Conversion

After running *Review protocol file*, use the option *Convert Protocol Menus to Order Dialogs* [ORCM CONVERT MENUS] to convert "add order" protocol menus that are currently in use to the ORDER DIALOG (#101.41) file. All items on the menus will be converted to this file as well.

A mail message will be sent to the individual running the option regarding any protocols that could not be successfully converted.

See page 48 for instructions for using this option.

Order Menu Management

After you run the conversion, review your menus and quick orders, using the options on the *Order Menu Management* [ORCM MGMT] menu, to ensure that everything was converted correctly, or to make any desired changes.

If your site used OE/RR 2.5, most of your menus, quick orders, and generic orders are converted to CPRS files. Order Menu Management options can help you convert protocols that weren't automatically converted, edit or create quick orders and generic orders, create order sets, and assign primary order menus. If your site hasn't used OE/RR 2.5, you can still use options distributed with this patch to begin creating menus, quick orders, and parameters.

Create a system-wide default Add Orders menu

If your site has a default Add Orders menu, this will be converted with the installation of CPRS.

If your site hasn't used OE/RR 2.5, you must create and assign primary order menus for all of your users. CPRS doesn't import a working Add Orders menu — the exported one is just an example with placeholders (the items are inactive). After CPRS is installed, you can assign this Add Orders menu and other menus created with Patch 49 options. **A primary order menu must be assigned to each user who will add orders.**

Order Menu Management Options

Option Name	Menu Text	Description
ORCM ORDERABLES	Enter/edit orderable items	Lets you enter or edit generic order items.
ORCM PROMPTS	Enter/edit prompts	Lets you add or edit prompts for generic order dialogs.
ORCM ORDERS	Enter/edit generic orders	Lets you add or edit free-text orders.
ORCM QUICK ORDERS	Enter/edit quick orders	Lets you create or modify quick orders.
ORCM ORDER SETS	Enter/edit order sets	Lets you create or modify order sets.
ORCM ACTIONS	Enter/edit actions	Lets you enter or edit entry and exit actions for order dialogs.
ORCM MENU	Enter/edit order menus	Lets you modify the current order menus or create new ones for your site.
ORCM PROTOCOLS	Convert protocols	Lets you convert any protocols that didn't get automatically converted by the installation.
ORCM SEARCH/REPLACE	Search/Replace Components	Lets you search for specific components on menus and replace them with new ones.

Orderable Items

Orderable items correspond to those services or products that may be requested and provided by the patient care services. They can be things such as a lab test, an imaging procedure, or a medication. The ORDERABLE ITEM file (#101.43) contains the orderable items for each service. CPRS uses orderable items to identify the specific thing that has been ordered. Each package that interfaces with CPRS provides a mechanism to update or add to the orderable items belonging to the package. The option *Enter/edit orderable items* [ORCM ORDERABLES] lets you add new entries of the nursing care or activity types.

Generic Orders

Nursing and Activity orders, often referred to as *generic orders*, have no defined specifications for the required prompts or the format of the order text.

Nursing and Activity orders are composed of three components:

1. *Orderable Item*

Defines the exact service or product being requested. This is easy to define for ancillary service orders in the hospital such as radiology or pharmacy, but for generic orders, the Clinical Coordinator or IRMS defines and creates the orderable items.

2. *Prompts*

Prompts ask information about the order being placed.

3. *Start and stop dates*

To create a generic order, we recommend that you first write the text of the order, as you would like it to read. Then you can construct a generic order that will put the text together to read as you have written it.

Naming Conventions

We recommend that you select naming conventions for the orderable items, prompts, and generic orders that you create using the Order Menu Management options.

Advantages:

- Allows similar types of order dialogs to be grouped together by name so that the type is apparent
- Allows those managing the order dialogs to find a specific order dialog more quickly because the names are organized by type

All applications interfacing with CPRS should use consistent naming conventions to easily identify those order dialogs that belong with that application.

Suggested naming conventions:

ORZ GTX	prompt type
ORZ	dialog type (generic orders)
ORZ ADD MENU	add order menus

Enter/Edit Orderable Items [ORCM ORDERABLES]

This option lets you enter new generic orderable items to be placed on CPRS Add Orders menus, or to edit existing generic orderable items (e.g., change their names to ones more meaningful to your users).

1. Select *Enter/edit orderable items* from the Order Menu Management menu.

```
Select Option: Order Menu Management Option

OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]

You have PENDING ALERTS
      Enter "VA VIEW ALERTS      to review alerts

Select Order Menu Management Option: OI Enter/edit orderable items
```

2. Enter the Type of orderable item, Activity or Nursing, that you wish to add or edit.
3. Enter the orderable item for the type you chose. If you enter two question marks, a list of generic orders for your site is displayed. Select the orderable item you wish to edit, or enter a new orderable item.

Nursing order

```
Type of Orderable: ?
Answer with DISPLAY GROUP NAME
Do you want the entire DISPLAY GROUP List? Y (Yes)
Choose from:
  ACTIVITY
  NURSING
Type of Orderable: Nursing
Select ORDERABLE ITEMS: ?
Answer with ORDERABLE ITEMS
Do you want the entire ORDERABLE ITEMS List? Y (Yes)
Choose from:
  AIR MATTRESS
  ARTERIAL LINE
  ARTERIAL SHEATH
^
      You may enter a new ORDERABLE ITEMS, if you wish
      Answer must be 3-63 characters in length.
Select ORDERABLE ITEMS: ARTERIAL SHEATH
ARTERIAL SHEATH// <Enter>
```

Enter/Edit Prompts [ORCM PROMPTS]

Prompts are the second component of the order dialog that makes up a generic order dialog. This type of order dialog corresponds to the *term type* protocol in OE/RR 2.5. However, rather than using VA FileMan to create the prompt, you can now use this option.

This option lets you add or edit prompts of the following types:

D	date/time
R	relative date/time
F	free text
N	numeric
S	set of codes
P	pointer to a file
Y	yes/no
W	word processing

Date/Time Example

```
Select Order Menu Management Option: Enter/edit prompts
Select PROMPT: ORZ GTX START DATE/TIME
Are you adding 'ORZ GTX START DATE/TIME' as
a new ORDER DIALOG? No// Y (Yes)
NAME: ORZ GTX START DATE/TIME Replace <Enter>
TEXT OF PROMPT: Start Date/Time
TYPE OF PROMPT: date/time
CAN DATE BE IMPRECISE? YES// ??

Enter either 'Y' or 'N'.

CAN DATE BE IMPRECISE? YES//
CAN TIME OF DAY BE ENTERED? NO// y YES
CAN SECONDS BE ENTERED? NO// <Enter>
IS TIME REQUIRED? NO// y YES
DESCRIPTION:
1><Enter>

Select PROMPT: <Enter>
```

Free Text Example

```
Select Order Menu Management Option: Enter/edit prompts
Select PROMPT: ORZ GTX FREE TEXT JG
Are you adding 'ORZ GTX FREE TEXT JG' as
a new ORDER DIALOG? No// y YES
NAME: ORZ GTX FREE TEXT JG
TEXT OF PROMPT: Special Instructions
TYPE OF PROMPT: free text
MINIMUM LENGTH: 2
MAXIMUM LENGTH: 240
DESCRIPTION:
1> <Enter>

Select PROMPT: <Enter>
```

Enter/Edit Prompts, cont'd

Numeric Example

```
Select Order Menu Management Option:  Enter/edit prompts
Select PROMPT:  ORZ NUMBER 1-24
Are you adding 'ORZ NUMBER 1-24' as a new ORDER DIALOG? No// Y (Yes)
NAME: ORZ NUMBER 1-24// <Enter>
TEXT OF PROMPT:  Number of hours
TYPE OF PROMPT:  numeric
INCLUSIVE LOWER BOUND: 0// 1
INCLUSIVE UPPER BOUND: 24
MAXIMUM NUMBER OF FRACTIONAL DIGITS: 1
DESCRIPTION:
1> <Enter>
```

A number from 1 to 24 and (at most) one decimal place are valid

Set of Codes Example

```
Select Order Menu Management Option:  Enter/edit prompts
Select PROMPT:  ORZ DAY OF WEEK
Are you adding 'ORZ DAY OF WEEK' as a new ORDER DIALOG? No//Y (Yes)
NAME: ORZ DAY OF WEEK// <Enter>
TEXT OF PROMPT:  DAY OF WEEK
TYPE OF PROMPT:  set of codes
INTERNALLY-STORED CODE: M <Enter> WILL STAND FOR:  Monday
INTERNALLY-STORED CODE: T <Enter> WILL STAND FOR:  Tuesday
INTERNALLY-STORED CODE: W <Enter> WILL STAND FOR:  Wednesday
INTERNALLY-STORED CODE: TH <Enter> WILL STAND FOR:  Thursday
INTERNALLY-STORED CODE: F <Enter> WILL STAND FOR:  Friday
INTERNALLY-STORED CODE: <Enter>
DESCRIPTION:
>This prompt will ask for a selection from the local treatment group
>file.
><Enter>
Edit? NO//<Enter>
```

Pointer Example

```
Select Order Menu Management Option:  Enter/edit prompts
Select PROMPT:  ORZ GTX LOCATION
Are you adding 'ORZ GTX LOCATION' as a new ORDER DIALOG? No//Y (Yes)
NAME: ORZ GTX LOCATION// <Enter>
TEXT OF PROMPT:  Location
TYPE OF PROMPT:  pointer to a file
POINT TO WHICH FILE:  HOSPITAL LOCATION
DESCRIPTION:
1>The ward the patient is in
2><Enter>
EDIT Option:  <Enter>
Select PROMPT:  <Enter>
```

Enter/Edit Prompts, cont'd

Yes/No Example

```
Select Order Menu Management Option: Enter/edit prompts
Select PROMPT: ORZ GTX YES/NO
  Are you adding 'ORZ GTX YES/NO' as a new ORDER DIALOG? No// y (Yes)
NAME: ORZ GTX YES/NO// <Enter>
TEXT OF PROMPT: Yes/No
TYPE OF PROMPT: yes/no
DESCRIPTION:
  1><Enter>
Select PROMPT: <Enter>
```

Word-processing Example

```
Select Order Menu Management Option: Enter/edit prompts
Select PROMPT: ORZ GTX WORD-PROCESSING JG
  Are you adding 'ORZ GTX WORD-PROCESSING JG' as
    a new ORDER DIALOG? No// y (Yes)
NAME: ORZ GTX WORD-PROCESSING JG Replace <Enter>
TEXT OF PROMPT: Comment
TYPE OF PROMPT: word processing
DESCRIPTION:
  1>Enter comments about this order here.
  2><Enter>
EDIT Option: <Enter>
Select PROMPT: <Enter>
```

Enter/Edit Generic Orders [ORCM ORDERS]

Generic order dialogs in CPRS serve the same function as generic text orders in OE/RR v 2.5. They define a patient's activities or document instructions to nursing or ward staff for the care of the patient. Text order protocols used in OE/RR are converted to the ORDER DIALOG (#101.41) file and can now be used in CPRS.

The process for creating new generic order dialogs in CPRS is quite different from the process used in the previous version.

All generic order dialogs are created or modified using this option. When you create a new generic order dialog, you will be given the choice of copying an existing order dialog. A good guideline for creating most new generic order dialogs would be to copy the existing order dialog OR GXMISC GENERAL. This order dialog has the four basic prompts that make up a generic order: an orderable item, at least one comment-type prompt, a start date, and a stop date.

The following sequence shows:


- The process of creating a new generic order dialog that will assign the patient to a specific counseling group, ask the approximate date of the traumatic event, ask which days the group will meet, and ask whether the patient's family should participate.
- The prompts as they would be asked during an ordering session
- The help text for each prompt that the user is required to answer
- The appearance of the order once it becomes part of the patient record .

1. Select *Enter/edit generic orders* from the Order Menu Management menu.

OI	Enter/edit orderable items [ORCM ORDERABLES]
PM	Enter/edit prompts [ORCM PROMPTS]
GO	Enter/edit generic orders [ORCM ORDERS]
QO	Enter/edit quick orders [ORCM QUICK ORDERS]
ST	Enter/edit order sets [ORCM ORDER SETS]
AC	Enter/edit actions [ORCM ACTIONS]
MN	Enter/edit order menus [ORCM MENU]
CP	Convert protocols [ORCM PROTOCOLS]
SR	Search/replace components [ORCM SEARCH/REPLACE]

Select Order Menu Management Option: **GO** Enter/edit generic orders

2. Enter the generic order name. You can choose from the list of generic orders used at your site, or enter a new one.

 **NOTE:** Note: the shaded fields in the example are only available to programmers with the @ as their File manager access code.

Creating or editing a generic order, cont'd

```
Select Order Menu Management Option: GO Enter/Edit generic orders
Select ORDER DIALOG NAME: ORZ PATIENT COUNSELING
Are you adding 'ORZ PATIENT COUNSELING' as
  a new ORDER DIALOG? No// Y (Yes)
ORDER DIALOG DISPLAY GROUP: ??
  This field determines what display group this dialog has been defined for.
  It will define which orderable items are selectable with this dialog,
  as well as what service to send the order to when it is complete.

Choose from:
ACTIVITY
ALL SERVICES
ALLERGIES
ANATOMIC PATHOLOGY
ANGIO/NEURO/INTERVENTIONAL
AUTOPSY
BLOOD BANK
CARDIOLOGY STUDIES (NUC MED)
CHEMISTRY
CONDITION
CONSULTS
CT SCAN
CYTOLOGY
DIAGNOSIS
DIET ADDITIONAL ORDERS
DIET ORDERS
DIETETIC CONSULTS
DIETETICS
EARLY/LATE TRAYS
ELECTRON MICROSCOPY
GENERAL RADIOLOGY
HEMATOLOGY
IMAGING
INPATIENT MEDICATIONS
IV MEDICATIONS
LABORATORY
M.A.S.
MAGNETIC RESONANCE IMAGING
MAMMOGRAPHY
MICROBIOLOGY
NUCLEAR MEDICINE
NURSING
ORDER ENTRY/RESULTS REPORTING
OTHER HOSPITAL SERVICES
OUTPATIENT MEDICATIONS
PARENTERAL NUTRITION
PHARMACY
PRECAUTIONS
PROCEDURES
SUMMARY ORDER
SUPPLIES/DEVICES
SURGERY
SURGICAL PATHOLOGY
TUBEFEEDINGS
ULTRASOUND
UNIT DOSE MEDICATIONS
VASCULAR LAB
VITALS/MEASUREMENTS

ORDER DIALOG DISPLAY GROUP: NURSING
ORDERABLE ITEM: PATIENT COUNSELING
Are you adding 'PATIENT COUNSELING' as
  a new ORDERABLE ITEMS (the 3373RD)? No// Y (Yes)
Do you wish to copy an existing order dialog? YES// <Enter>
Select ORDER DIALOG TO COPY: ??
```


Creating or editing a generic order, cont'd

```
Choose from:
  FHW1
  FHW2
  FHW3
  FHW4
  FHW7
  FHW8
  GMRAOR ALLERGY ENTER/EDIT
  GMRCOR CONSULT
  GMRCOR REQUEST
  GMRVOR
  LR ANATOMIC PATH
  LR BLOOD BANK
  LR OTHER LAB TESTS
  Neurology Inpatient
  OR GWCOND CONDITION
  OR GWDIAG DIAGNOSIS
  OR GWINST DNR
  OR GXACTV OTHER ACTIVITY ORDER
  OR GXMISC GENERAL
  OR GXMOVE ADMIT PATIENT
  OR GXMOVE DISCHARGE
  ^
Select ORDER DIALOG TO COPY: OR GXMISC GENERAL
Copying ...
NAME: ORZ PATIENT COUNSELING Replace <Enter>
DISPLAY TEXT: PATIENT COUNSELING// <Enter>
SIGNATURE REQUIRED: ORES// <Enter>
VERIFY ORDER: YES// ??
  This field is a flag, which determines if the order created by this dialog
  will be presented to the user for verification before saving in the Orders
  file; for most quick orders, this flag should be set to 0 (no).
  Choose from:
    1      YES
    0      NO
VERIFY ORDER: YES// <Enter>
ASK FOR ANOTHER ORDER: ??
  This field allows the user to add another order from this dialog, when the
  initial order is accepted and placed; if set to YES, the user will be
  asked "Add another <dialog display text> order?" to allow for either
  exiting the processor or adding an additional order of the same type.
  This field can also be set to YES-DON'T ASK to force the processor to
  automatically drop into prompting for another order without asking first.
  Choose from:
    0      NO
    1      YES
    2      YES-DON'T ASK
ASK FOR ANOTHER ORDER: 0 NO
DESCRIPTION:
  1>This dialog will allow assignment of patient to a counseling group.
  2><Enter>
EDIT Option: <Enter>
```

Enter/edit generic orders, cont'd

Determines the prompting sequence.

Only seen with pointer-type prompts.

Only seen with pointer-type prompts.

This text will be question asked of users.

```
ENTRY ACTION: <Enter>
EXIT ACTION: <Enter>
VALIDATION: ??
    This is MUMPS code that will be executed at the time of releasing
    an order created with this dialog; dialog responses may be checked
    again here before releasing the order To the service.
VALIDATION: <Enter>
ADDITIONAL TEXT: ??
    This is MUMPS code that will be executed when order ORIFN created
    by this dialog is about to be displayed; any string that should be
    appended to the order text should be returned in Y.
ADDITIONAL TEXT: <Enter>

Select PROMPT: 1          ORZ GTX COUNSELING GROUP
SEQUENCE: 1// <Enter>
PROMPT: ORZ GTX COUNSELING GROUP          pointer to a file
INDEX: ??
    For pointer-type prompts, this is the index to use when searching
    the file; it must be in the form of a regular cross-reference. To search
    on multiple indices, enter a string of index names separated by semi-
    colons, i.e."B;C"
INDEX: <Enter>
SCREEN: ??
    For pointer-type prompts, this field may contain MUMPS code that
    will be set into DIC("S") to screen the possible choices in the pointed-
    to file.
SCREEN: <Enter>
SPECIAL LOOKUP ROUTINE: ??
    This field contains a routine to execute that will replace the
    standard DIC lookup for this prompt; it must be entered here as
    LINETAG;ROUTINE using a ; instead of ^ and where LINETAG is optional.
SPECIAL LOOKUP ROUTINE: <Enter>
DISPLAY TEXT: ??
    This field allows the text that normally appears for this item to
    be replaced with alternate text for use in this dialog or menu.
DISPLAY TEXT: Choose group:
REQUIRED: ??
    This field indicates that the user must enter a response to this
    prompt.
    Choose from:
        1          YES
        0          NO
REQUIRED: YES
```

Enter/edit generic orders, cont'd

```
MULTIPLE VALUED: ??
    This field determines if this prompt will be allowed to have
    multiple values, or be prompted for only once; if this prompt is a sub-
    dialog, the entire dialog will be asked once or many times, as a group.
    Choose from:
        1          YES
        0          NO
MULTIPLE VALUED: N NO
ASK ON EDIT ONLY: ??
    This field determines the behavior of the dialog driver for this
    prompt; if no value or the defined default is usually correct for this
    prompt, enter YES here to have this prompt skipped on the first pass
    through this dialog when creating an order.
    Choose from:
        1          YES
        0          NO
ASK ON EDIT ONLY: <Enter>
ASK ON ACTION: ??
    This field determines the behavior of the dialog driver for this
    prompt when taking a particular action on an order created by this
    dialog. If this string contains "R", this prompt will be asked when
    renewing an order if this string contains "C", this prompt will be asked
    when changing an order; if this string contains "W", this prompt will be
    asked when rewriting an order.
ASK ON ACTION: <Enter>
HELP MESSAGE: ??
    This field contains the help message to be presented when the user
    enters a question mark at this prompt.
HELP MESSAGE: Choose the event corresponding to the need for counseling.
                Replace
XECUTABLE HELP: ??
    This is code that is to be executed when the user enters two or
    more question marks at this prompt.
XECUTABLE HELP: <Enter>
ASK ON CONDITION: ??
    This is MUMPS code that sets $T to determine if prompt should be
    asked or simply given a default value and presented to the user for
    acceptance or editing. For example, the prompt "Pregnant: " may have
    code here to check the sex of the current patient, i.e. I ORSEX="F" will
    allow it to be asked for female patients.
ASK ON CONDITION:
INPUT TRANSFORM: ??
    This is code that will be used as the third piece of DIR(0) when
    asking this prompt.
INPUT TRANSFORM:
DEFAULT: ??
    Choose from:
        DEPRESSION
        FAMILY COUNSELING
        FAMILY LOSS
        NEW PROSTHESIS
        PTSD
        UNEMPLOYMENT
DEFAULT: <Enter>
```

If there's no entry
here, the prompt
will only be asked
on the screen if it
fails VALIDA-
TION logic.

Code will cause
the prompt to
assume the
default.

Enter/edit generic orders, cont'd

	<p>VALIDATION: ?? This is code that will be executed after a response is entered to this prompt; if this prompt should be re-asked, kill the variable DONE. If execution of the ordering dialog should be stopped, set ORQUIT=1.</p>												
Useful for formatting the answer, especially dates and pointers.	<p>VALIDATION: <Enter></p> <p>ORDER TEXT SEQUENCE: ?? This field indicates the order in which values will be concatenated together to build the order text; this may differ from the prompting sequence defined in the .01 Position field.</p> <p>ORDER TEXT SEQUENCE: 1</p> <p>FORMAT: ?? This is a string of characters that will define any exceptions to how the external form of this value is generated. Possible values include:</p> <table><tr><td>Pointer</td><td>-> Field number (default = .01)</td></tr><tr><td>Set of Codes</td><td>-> 1 to return code instead of name</td></tr><tr><td>Date/Time</td><td>-> Format string to pass \$\$FMTE^XLFDT (default = 2)</td></tr><tr><td>Suppress value</td><td>-> @</td></tr><tr><td>Replace value</td><td>-> @<ptr> where ptr is the Dialog IEN of the prompt whose value, when present, supersedes this value</td></tr><tr><td>Required value</td><td>-> *<ptr> where ptr is the Dialog IEN of the prompt whose value is required to be present to include this value</td></tr></table>	Pointer	-> Field number (default = .01)	Set of Codes	-> 1 to return code instead of name	Date/Time	-> Format string to pass \$\$FMTE^XLFDT (default = 2)	Suppress value	-> @	Replace value	-> @<ptr> where ptr is the Dialog IEN of the prompt whose value, when present, supersedes this value	Required value	-> *<ptr> where ptr is the Dialog IEN of the prompt whose value is required to be present to include this value
Pointer	-> Field number (default = .01)												
Set of Codes	-> 1 to return code instead of name												
Date/Time	-> Format string to pass \$\$FMTE^XLFDT (default = 2)												
Suppress value	-> @												
Replace value	-> @<ptr> where ptr is the Dialog IEN of the prompt whose value, when present, supersedes this value												
Required value	-> *<ptr> where ptr is the Dialog IEN of the prompt whose value is required to be present to include this value												
If the response matches the entry here, any text and the response will be excluded.	<p>FORMAT:</p> <p>OMIT TEXT: ?? This is the external form of a value that is not to be included when building the order text. E.g. to include the urgency in the order text unless it is routine, enter "ROUTINE" here.</p> <p>OMIT TEXT: <Enter></p>												
Leading and trailing text can be up to 80 characters.	<p>LEADING TEXT: ?? This field contains text that will be appended to the order text immediately in front of this value, e.g. "Instructions:". If this text is contained in a variable, enter @NAME where NAME is the variable name</p> <p>LEADING TEXT: Assign patient to:</p> <p>TRAILING TEXT: ?? This field contains text that will be appended to the order text immediately following this value, e.g. "refills". If this text is contained in a variable, enter @NAME where NAME is the variable name</p>												
Very useful for improving readability of orders.	<p>TRAILING TEXT: group</p> <p>START NEW LINE: ?? This field determines if this value is concatenated onto the current line when building the order text, or if a new line is started with this value.</p> <p>Choose from:</p> <table><tr><td>1</td><td>YES</td></tr><tr><td>0</td><td>NO</td></tr></table> <p>START NEW LINE: YES</p> <p>Select PROMPT: 2</p> <p>SEQUENCE: 2// <Enter></p> <p>PROMPT: ORZ GTX DATE OF EVENT date/time</p> <p>DISPLAY TEXT: Date of event:</p> <p>REQUIRED: NO// <Enter></p> <p>MULTIPLE VALUED: NO// <Enter></p> <p>ASK ON EDIT ONLY: <Enter></p> <p>.</p> <p>.</p> <p>.</p> <p>ORDER TEXT SEQUENCE: 2</p>	1	YES	0	NO								
1	YES												
0	NO												

Enter/edit generic orders, cont'd

```
FORMAT: <Enter>
OMIT TEXT: <Enter>
LEADING TEXT: following event on/about
TRAILING TEXT: <Enter>
START NEW LINE: <Enter>
Select PROMPT: 3
SEQUENCE: 3// <Enter>
PROMPT: ORZ GTX DAY OF WEEK                set of codes
DISPLAY TEXT: Day group meets:
REQUIRED: NO// <Enter>
MULTIPLE VALUED: Y YES
MAX NUMBER OF MULTIPLES: ??
    This is the maximum number of values that may be entered for this
    prompt, if it is flagged as being multiple-valued. For example, a diet
    order may have up to 5 diet modifications entered, where 5 is the maximum
    allowed that would be entered here.
MAX NUMBER OF MULTIPLES: 3
TITLE : ??
    This is text that will be used in place of the prompt when the order
    is displayed for place, edit, or cancel, or at the top of a multiple-valued
    prompt. The Display Text for the prompt will be used together with the
    instance number to prompt for user input; for example if Title="Lab Tests:"
    and Display Text="Test:" the user would see
        Lab Tests:
        1. Test:
        2. Test:
TITLE: Meeting Dates:
.
.
.
ORDER TEXT SEQUENCE: 3
FORMAT:
OMIT TEXT: <Enter>
LEADING TEXT: Group meets
TRAILING TEXT: .
START NEW TEXT: <Enter>
Select PROMPT: 4
SEQUENCE: 4// <Enter>
PROMPT: ORZ GTX YES/NO                    yes/no
DISPLAY TEXT: Family participation:
REQUIRED: NO// YES
MULTIPLE VALUED: <Enter>
.
.
.
ORDER TEXT SEQUENCE: 4
FORMAT:
OMIT TEXT: YES
LEADING TEXT: <Enter>
TRAILING TEXT: family participation.
START NEW TEXT: <Enter>
Select PROMPT: 5
SEQUENCE: 5// <Enter>
PROMPT: ORZ GTX WP
DISPLAY TEXT: Comments:
REQUIRED: <Enter>
```

Enter/edit generic orders, cont'd

This field is only asked for word-processing prompts.

```
MULTIPLE VALUED: <Enter>
ASK ON EDIT ONLY: YES
ASK ON ACTION: <Enter>
HELP MESSAGE: <Enter>
XECUTABLE HELP:
ASK ON CONDITION:
INPUT TRANSFORM:
DEFAULT WORD-PROCESSING TEXT:
    No existing text
    Edit? NO// <Enter>
VALIDATION:
ORDER TEXT SEQUENCE: 5
FORMAT:
OMIT TEXT: <Enter>
LEADING TEXT: <Enter>
TRAILING TEXT: <Enter>
START NEW TEXT: <Enter>
Select PROMPT: 6          OR GTX START DATE/TIME
SEQUENCE: 6// <Enter>
PROMPT: OR GTX START DATE/TIME// <Enter>      relative date/time
DISPLAY TEXT: Start date:
REQUIRED: NO// YES
MULTIPLE VALUED: <Enter>
.
.
DEFAULT: "NOW"// <Enter>
VALIDATION:
ORDER TEXT SEQUENCE: <Enter>
FORMAT: <Enter>
OMIT TEXT: <Enter>
LEADING TEXT: <Enter>
TRAILING TEXT: <Enter>
START NEW TEXT: <Enter>
Select PROMPT: 7          OR GTX STOP DATE/TIME
SEQUENCE: 7// <Enter>
PROMPT: OR GTX STOP DATE/TIME// <Enter>      relative date/time
DISPLAY TEXT: Stop date:
REQUIRED: NO// <Enter>
MULTIPLE VALUED: <Enter>
.
.
.
DEFAULT: <Enter>
VALIDATION: I $$FTDCOMP^ORCD("START DATE/TIME","STOP DATE/TIME", ">") K DONE
W $(7),!, "    Cannot end before start date/time!",! Replace
ORDER TEXT SEQUENCE: <Enter>
FORMAT: <Enter>V
OMIT TEXT: <Enter>
LEADING TEXT: <Enter>
TRAILING TEXT: <Enter>
START NEW TEXT: <Enter>
```

This code will assure that the stop date is valid with the start date.

Enter/edit generic orders, cont'd

Ordering this Generic order from an Add Order Menu

This verification box will only be presented to the user when the VERIFY ORDER FIELD IS SET to yes.

```
Select Item(s): Next Screen// Patient Counseling
-- Patient Counseling --
Choose group: PTSD
Date of event: 1998 (1998)
Day group meets: Wednesday
Another Day group meets: <Enter>
Family participation: NO
Start date: NOW// <Enter>
Stop date: T+60 (NOV 01, 1997)

-----
Orderable Item: PATIENT COUNSELING
Choose group: PTSD
Date of event: 1991
Meeting Dates: Wednesday
Family participation: NO
Start date: NOW (9/2/98@13:10)
Stop date: T+60 (11/1/98)

-----
(P)lace, (E)dit, or (C)ancel this order? PLACE// <Enter>
... order placed.
```

This dialog creates an order with the order text as follows on the next page, depending on the answer to the question regarding family participation.

Order text created when answering NO to the family participation question

```
>> Assign patient to PTSD group following event on/about 1998 . Group
meets Wednesday. NO family participation.
```

Order text created when answering YES to the family participation question

```
>> Assign patient to PTSD group following event on/about 1998 .
Group meets Wednesday.
```

General Information

- 1) The use of an orderable item in each generic order is advised, as it will allow ordering statistics to be gathered. The orderable item is stored in the ORDER (#100) file and cross referenced to facilitate gathering of such statistics.
- 2) Spaces are not required at the beginning or end of the leading or trailing text; the dialog driver will insert them.

Enter/edit generic orders, cont'd

- 3) Generic orders may use a start date and stop date. There are existing prompts that are a start date (OR GTX START DATE), stop date (OR GTX STOP DATE), start date/time (OR GTX START DATE/TIME) and stop date/time (OR GTX STOP DATE/TIME). We recommend that you use the existing prompts, as they already contain validation code to ensure proper date and/or time input. Defaults may also be entered for the start date or stop date on each generic order dialog.
- 4) NOTE: No changes are saved until PLACE is selected.

Enter/Edit Quick Orders [ORCM QUICK ORDERS]

Quick orders in CPRS have the same functionality as they did in OE/RR v 2.5—they speed up the ordering process by predefining many of the answers that a user would normally have to type in while placing orders.

The process for creating quick orders has been standardized with this option. In OE/RR v 2.5, quick orders for Radiology, Inpatient Medications, Vitals, and Consults were created using an option in those packages. Lab and Dietetics quick orders required programmer level access. With CPRS, quick orders for all packages are created and edited using this option; no special VA FileManager access is required.

The dialog presented while creating quick orders varies, depending on the package associated with the quick order. The dialog is very similar to what is seen while actually placing an order for that package. In addition, you may indicate for each quick order if the ordering person will be allowed/should be required to review and verify the order before accepting.

A major advantage in CPRS is that quick orders can be edited. The creation of quick orders for any package should be done in coordination with the application coordinator for that service. It is also a good practice to create quick orders based on real need instead of anticipated need. Once created, the quick orders can be placed on any appropriate order menu.

Namespacing

Quick Orders should follow a consistent naming convention. Starting each quick order name with a consistent set of letters makes the quick orders easy to identify and easy to organize, and prevents creation of duplicates.

Recommended Guidelines for naming quick orders:

1. Append a Z to the end of the exported namespace for each package
2. Make the name of the quick order as descriptive as possible. The name of the quick order should contain the name of the orderable item and should include reference to as many of the defined prompts as possible (e.g. RAZ CHEST 2 VIEWS STAT PORTABLE).
3. Quick Order names should be unique within the first 30 characters.

Exported package namespaces

• Consult/Request Tracking	GMRC
• Dietetics	FH
• IV Medications	PSJI
• Laboratory	LR
• Radiology/Nuclear Medicine	RA
• Outpatient Medications	PSO
• Unit Dose Medications	PSJ
• Vital Measurements	GMRV

Protocol conversion of quick orders

Most of the protocols that aren't converted with the installation of this patch are quick orders that have been created locally with entry and exit action code. This option lets you recreate them, or complete those quick orders that didn't fully convert.

1. Select *Enter/edit quick orders* from the Order Menu Management menu.

```
Select Option: Order Menu Management
  OI      Enter/edit orderable items [ORCM ORDERABLES]
  PM      Enter/edit prompts [ORCM PROMPTS]
  GO      Enter/edit generic orders [ORCM ORDERS]
  QO      Enter/edit quick orders [ORCM QUICK ORDERS]
  ST      Enter/edit order sets [ORCM ORDER SETS]
  AC      Enter/edit actions [ORCM ACTIONS]
  MN      Enter/edit order menus [ORCM MENU]
  CP      Convert protocols [ORCM PROTOCOLS]
  SR      Search/replace components [ORCM SEARCH/REPLACE]

You have PENDING ALERTS
      Enter  "VA  VIEW ALERTS      to review alerts

Select Order Menu Management Option: QO Enter/edit quick orders
```

2. Enter the order dialog name. You can choose from a list of quick orders used at your site, or create a new one.

```
Select QUICK ORDER DIALOG NAME: ??
Choose from:
  FHWN1
  FHWN2
  GMRVORADMIT V/M
  GMRVORB/P
  GMRVORHT
  GMRVORPULSE
  GMRVORRESP
  GMRVORTEMP
  GMRVORTPR
  GMRVORTPR B/P
  GMRVORWT
  OR GXACTV AD LIB
  OR GXACTV AMBULATE
  OR GXACTV AMBULATE TID
  OR GXACTV BATHROOM PRIVILEGES
  OR GXACTV BED REST
  OR GXACTV BED REST / BRP
  OR GXACTV HOB UP
  OR GXACTV MAY LEAVE WARD
  OR GXACTV OUT OF BED
  OR GXACTV PROVIDE TRAPEZE
  OR GXACTV ROM EXERCISE
  OR GXACTV TURN PATIENT
  OR GXACTV UP IN CHAIR
  OR GXACTV UP IN CHAIR TID
  OR GXHEMO ARTERIAL LINE
```

Enter/edit quick orders, cont'd

```
OR GXHEMO ARTERIAL SHEATH
OR GXHEMO CARDIAC OUTPUT
OR GXHEMO HEMODYNAMICS ITEM
OR GXHEMO SWAN GANZ CATHETER
OR GXHEMO VENOUS SHEATH
OR GKNURS CHEST TUBE
OR GKNURS GLASCOW COMA
OR GKNURS GUAIAC ASPIRATE
OR GKNURS GUAIAC EMESIS
OR GKNURS GUAIAC STOOLS
OR GKNURS NEURO CHECK
OR GKNURS NURSING ITEM
OR GKNURS PUSH FLUIDS
OR GKNURS URINE PH
OR GKNURS URINE SPEC GRAV
OR GXOXGN MASK 35 PER CENT
OR GXOXGN MASK 40 PER CENT
OR GXOXGN MASK 50 PER CENT
OR GXOXGN O2 3 LT NASAL CANNUL
OR GXOXGN O2 4 LT NASAL CANNUL
OR GXOXGN OXYGEN THERAPY ITEM
OR GXOXGN VENTILATOR
OR GXPARM I AND O
OR GXRESP CHEST PT
OR GXRESP INCENTIVE SPIROMETER
OR GXRESP RESPIRATORY ITEM
OR GXRESP SUCTION
OR GXRESP TCDB
OR GXRESP TRACH CARE
OR GXSKIN AIR MATTRESS
OR GXSKIN COLD PACKS
OR GXSKIN SHEEPSKIN
OR GXSKIN SKIN AND WOUND ITEM
OR GXSKIN WARM PACKS
OR GXSKIN WARM SOAKS
OR GXSKIN WATER MATTRESS
OR GXTUBE COLOSTOMY
OR GXTUBE CONDOM CATHETER
OR GXTUBE DRAINS ITEM
OR GXTUBE HEMOVAC
OR GXTUBE ILEOSTOMY
OR GXTUBE INDWELLING URINARY C
OR GXTUBE JACKSON PRATT
OR GXTUBE NASOGASTRIC
OR GXTUBE PENROSE
OR GXTUBE RECTAL TUBE
OR GXTUBE SUPRAPUBIC CATHETER
OR GXTUBE UROSTOMY
You may enter a new ORDER DIALOG, if you wish
Answer must be 3-63 characters in length.
```

Consults Quick Order Example

Currently the only way to stuff the defined reason for Request and not prompt to edit is to set GMRCREAF=1 in the entry action in file 101.41

Currently the only way to eliminate the prompts for Attention or Provisional Diagnosis while ordering is to set GMRCNOAT=1 or GMRCNOPD=1 respectively in the ENTRY ACTION of the quick order in file 101.41


```
Select Order Menu Management Option: QO Enter/edit quick orders
Select QUICK ORDER NAME: GMRCZ EKG STAT ER
Are you adding 'GMRCZ EKG STAT ER' as a new ORDER DIALOG? No// Y
(Yes)
TYPE OF QUICK ORDER: CONSULTS
NAME: GMRCZ EKG STAT ER// <Enter>
DISPLAY TEXT: Stat EKG
VERIFY ORDER: <Enter>
DESCRIPTION:
No existing text
Edit? NO// <Enter>
ENTRY ACTION: <Enter>

Consult to Service/Specialty: CARDIOLOGY
1 CARDIOLOGY
2 CARDIOLOGY CLINIC
CHOOSE 1-2: 1 CARDIOLOGY
Reason for Request:
No existing text
Edit: NO// y YES
1>r/o MI and arrythmia
2>
EDIT Option: <Enter>
Category: OUTPATIENT
Urgency: STAT
Place of Consultation: EMERGENCY ROOM
Attention: <Enter>
Provisional Diagnosis: <Enter>

-----
Consult to Service/Specialty: CARDIOLOGY
Reason for Request: r/o MI and arrythmia
Category: OUTPATIENT
Urgency: STAT
Place of Consultation: Emergency Room
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>

Select QUICK ORDER NAME: <Enter>
```

 NOTE: No changes are saved until PLACE is selected.

Diet Quick Order Example

```
Select QUICK ORDER NAME: ORZ FHWN3
  Are you adding 'ORZ FHWN3' as a new ORDER DIALOG? No// Y (Yes)
TYPE OF QUICK ORDER: DIET
  1  DIET ADDITIONAL ORDERS
  2  DIET ORDERS
CHOOSE 1-2: 2
NAME: ORZ FHWN3
DISPLAY TEXT: Junk Food
VERIFY ORDER: ?
  Enter YES to have orders created by this dialog presented to the
  user before saving, with the opportunity to edit.
  Choose from:
    1      YES
    0      NO
VERIFY ORDER: 0 NO
DESCRIPTION:
  No existing text
  Edit? NO// y YES
  1>Junk food consists of a double Mac cheeseburger with fries and
  2>a coke, available whenever the patient requests it.
  3> <Enter>
EDIT Option: <Enter>
Diets:
  1. Diet: ?
Choose from:
  DIRT  HIGH MINERAL
  HIGH MINERAL  HIGH MINERAL
  REGULAR  REGULAR
Enter a diet modifications to be ordered for this patient.
  1. Diet: High Mineral
Effective date/time: NOW// <Enter>
Expiration date/time: <Enter>
Delivery: TRAY// <Enter>
Special Instructions: Always be polite (don't say "You shouldn't eat
junk food").
-----
                        Diets: HIGH MINERAL
                        Effective date/time: NOW
                        Delivery: TRAY
                        Special Instructions: Always be polite (don't say "You shouldn't
-----
(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>
Select QUICK ORDER DIALOG NAME: <Enter>
```

Up to five
modifications
are allowed.

IV Medications Quick Order Example

```
Select Order Menu Management Option:  Enter/edit quick orders

Select QUICK ORDER NAME:  PSJZ AMINOPH 1GM
  Are you adding 'PSJZ AMINOPH 1GM' as a new ORDER DIALOG? No// Y  (Yes)
TYPE OF QUICK ORDER:  IV MEDICATIONS
NAME: PSJZ AMINOPH 1GM// <Enter>
DISPLAY TEXT:  Aminophylline drip
VERIFY ORDER:  <Enter>
DESCRIPTION:
  No existing text
  Edit? NO// <Enter>

Solution:      D5W INJ,SOLN IV
Volume (in ml): 1000
Additive:  AMINOPHYLLINE INJ,SOLN IV      AMINOPHYLLINE INJ,SOLN IV
AMINOPHYLLINE
INJ,SOLN IV
  (Units for this additive are MG)

Strength: 1000
Another Additive: <Enter>
Infusion Rate: 10
Priority: ROUTINE// <Enter>
Provider Comments:
  No existing text
  Edit? NO// y  YES
  1> Titrate to effect.
  2> <Enter>
Edit OPTION: <Enter>

-----
              Solutions: D5W INJ,SOLN IV 1000 ml
              Additives: AMINOPHYLLINE INJ,SOLN IV 1000 MG
              Infusion Rate: 10 ml/hr
              Priority: ROUTINE
              Provider Comments: Titrate to effect.
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE//<Enter>
```

Lab Quick Order Example

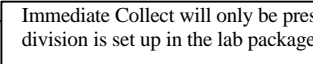
```
Select QUICK ORDER NAME: LRTZ GLUCOSE SERUM SP TODAY
Are you adding 'LRTZ GLUCOSE SERUM SP TODAY' as a new ORDER DIALOG?
No// Y (Yes)
TYPE OF QUICK ORDER: LABORATORY
NAME: LRTZ GLUCOSE SERUM SP TODAY Replace <Enter>
DISPLAY TEXT: Glucose SP Today
VERIFY ORDER: Y YES
DESCRIPTION:
  No existing text
  Edit? NO// y YES
  1> This will order a glucose send patient for today.
  2> < Enter >
  Edit OPTION: <Enter>
ENTRY ACTION: <Enter>

Lab Test: GLUCOSE
  1  GLUCOSE
  2  GLUCOSE TOLERANCE (URINE)
  3  GLUCOSE TOLERANCE TEST
  4  GLUCOSE, OTHER
CHOOSE 1-4: 1  GLUCOSE  GLUCOSE
SEND TO LAB - Means the patient is ambulatory and will be sent to the
Laboratory draw room to have blood drawn.
WARD COLLECT - Means that either the physician or a nurse will be
collecting the sample on the ward.
LAB BLOOD TEAM - Means the phlebotomist from Lab will draw the blood on
the ward. This method is limited to laboratory defined collection
times.
IMMEDIATE COLLECT BY BLOOD TEAM - Means the phlebotomist from Lab is on
call to draw blood on the ward. This method is available during times
defined by Laboratory.

      SP      Send patient to lab
      WC      Ward collect & deliver
      LC      Lab blood team
      I      Immediate collect by blood team
Collected By: S Send patient to lab
Collection Date/Time: T (FEB 17, 1999)
Urgency: ROUTINE
Enter Order Comment: <Enter>
How often: ONE TIME// X3
  1  X3  X3
  2  X3LR X3LR
CHOOSE 1-2: 1  X3

Maximum number of days for continuous orders is 0.
How many days: 3

-----
                        Lab Test: GLUCOSE
                        Collected By: Send patient to lab
                        Collection Sample: BLOOD
                        Specimen: SERUM
                        Collection Date/Time: T
                        Urgency: ROUTINE
                        How often: X3
                        How many days: 3
-----
(P)lace, (E)dit, or (C)ancel this quick order? PLACE//  <Enter>
```



Outpatient Medications Quick Order Example

```
Select Order Menu Management Option: Enter/edit quick orders

Select QUICK ORDER NAME: PSOZ DIGOXIN QD
  Are you adding 'PSOZ DIGOXIN QD' as a new ORDER DIALOG? No// Y (Yes)
TYPE OF QUICK ORDER: OUTPATIENT MEDICATIONS
NAME: PSO DIGOXIN QD// <Enter>
DISPLAY TEXT: Digoxin QD (opt)
ENTRY ACTION: <Enter>
VERIFY ORDER: <Enter>
DESCRIPTION:
  No existing text
  Edit? NO// <Enter>

Medication: DIGOXIN TAB
Choose from:
  1 DIGOXIN 0.125MG TAB    $0.210
  2 DIGOXIN 0.25MG TAB TAB $0.114
Dispense Drug: 2 DIGOXIN 0.25MG TAB TAB $0.114
Complex dose? NO// <Enter>
Take (in TABLET(S)): 1
Route: ORAL// <Enter>
Schedule: QD
Quantity: 30
Refills (0-11): 1
Pick Up: WINDOW// <Enter>
Provider Instructions:
  No existing text
  Edit? No// <Enter> (No)
Priority: ROUTINE// <Enter>

-----
      Medication: DIGOXIN TAB
      Dispense Drug: DIGOXIN 0.25MG TAB
      Take: 1 TABLET(S) ORAL QD for 30 days
      Quantity: 30
      Refills (0-11): 1
      Pick Up: WINDOW
      Priority: ROUTINE
      SC: NO
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>
```

Selection of a dispense drug is not required, but order checking will not occur unless one is defined.

Radiology Quick Order Example

```
Select Order Menu Management Option: Enter/edit quick orders
Select QUICK ORDER NAME: RAZ CHEST 2 VIEWS STAT TODAY
  Are you adding 'RAZ CHEST 2 VIEWS STAT TODAY' as
    a new ORDER DIALOG? No// y (Yes)
TYPE OF QUICK ORDER: RADIOLOGY
NAME: RAZ CHEST 2 VIEWS STAT TODAY  Replace <Enter>
DISPLAY TEXT: Stat Chest 2 views
VERIFY ORDER: n NO
DESCRIPTION:
  No existing text
  Edit? NO// <Enter>

Select one of the following imaging types:
  NUCLEAR MEDICINE
  RADIOLOGY

Select IMAGING TYPE: rAD  GENERAL RADIOLOGY

Common Radiology Procedures:
  1 CHEST 2 VIEWS PA&LAT          4 CT CERVICAL SPINE W/CONT
  2 CHEST 4 VIEWS                  5 ECHOGRAM THYROID B-SCAN &/OR REAL TI
  3 CT ABDOMEN W&W/O CONT

Radiology Procedure: 1  CHEST 2 VIEWS PA&LAT

TESTING MESSAGE

Modifier:
History and Reason for Exam:
  No existing text
  Edit? No// <Enter> (No)
Category: <Enter>
Is this patient scheduled for pre-op? NO//
Date Desired: TODAY// <Enter>
Mode of Transport: p  PORTABLE
Is patient on isolation procedures?
Urgency: ROUTINE// STAT

-----
      Radiology Procedure: CHEST 2 VIEWS PA&LAT
      Date Desired: TODAY
      Mode of Transport: PORTABLE
      Urgency: STAT
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>
```

Unit Dose Medications Quick Order Example

```
Select Order Menu Management Option:  Enter/edit quick orders

Select QUICK ORDER NAME:  PSJZ CIMETIDINE
  Are you adding 'PSJZ CIMETIDINE ' as a new ORDER DIALOG? No// Y  (Yes)
TYPE OF QUICK ORDER:  UNIT DOSE MEDICATIONS
NAME: PSJZ CIMETIDINE // <Enter>
DISPLAY TEXT: Tagamet q8h
ENTRY ACTION: <Enter>
VERIFY ORDER: <Enter>
DESCRIPTION:
  No existing test
  Edit: NO// <Enter>

Medication:  CIMETIDINE TAB

Choose from:
  1 CIMETIDINE 200MG TAB UD PK  $0.018
  2 CIMETIDINE 300MG TAB UD PK  $0.107
  3 CIMETIDINE 400MG TAB UD TAB  $0.251
Dispense Drug:  CIMETIDINE 200MG TAB UD PK  $0.018  U.D.
Dosage: 200mg
Route: ORAL// <Enter>
Schedule: Q8H
Priority: ROUTINE// <Enter>
Provider Comments:
  No existing text
Edit? No// <Enter>  (No)

-----
                Medication: CIMETIDINE TAB
                Dispense Drug: CIMETIDINE 200MG TAB UD
                        Dosage: 200mg
                        Route: ORAL
                        Schedule: Q8H
                        Priority: ROUTINE
                -----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>
```

Selection of a
dispense drug is
not required, but
order checking
will not occur
unless one is
defined.

Vital Measurements Quick Order Example

```
Select Order Menu Management Option:  Enter/edit quick orders

Select QUICK ORDER NAME:  GMRVZ BP
Are you adding 'GMRVZ BP' as a new ORDER DIALOG? No// Y  (Yes)
TYPE OF QUICK ORDER:  VITALS/MEASUREMENTS
NAME: GMRVZ BP// <Enter>
DISPLAY TEXT:  BP Q4h
ENTRY ACTION:  <Enter>
VERIFY ORDER:  <Enter>
DESCRIPTION:
  No existing text
  Edit: NO// <Enter>

Vital Sign:  B/P      B/P
Start Date/Time:  NOW
Schedule:  Q4H
Stop Date/Time:  NOW
Special Instructions:
  No existing text
  Edit: NO// <Enter>

-----
                Vital Sign: B/P
                Start Date/Time: NOW
                Schedule: Q4H
                Stop Date/Time: NOW
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// EDIT
Vital Sign: B/P// <Enter>
Start Date/Time: NOW// <Enter>
Schedule: Q4H// <Enter>
Stop Date/Time: NOW// @
Are you sure you want to delete this value? NO// YES
Special Instructions:
  No existing text
  Edit: NO//<Enter>


-----
                Vital Sign: B/P
                Start Date/Time: NOW
                Schedule: Q4H
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// <Enter>
```

The dialog will be repeated after first editing the quick order if EDIT is chosen.

Enter/Edit Order Sets [ORCM ORDER SETS]

This option lets you add or edit order sets. Order sets are groups of quick orders that are commonly ordered together for certain situations, such as pre-admission, pre-operative, etc. The sets can be created through this option by selecting quick orders from all services. Then when you enter the order screens for CPRS, you can pick an order set by the name you gave it in this option.

 **NOTE:** Order Sets in CPRS are slightly different than they were in OE/RR v 2.5. In version 2.5, order sets could be of the protocol menu type where ordering items could be grouped and the user would choose which items to order from that menu. Order sets could also be extended action type protocols that ordered all of the items upon choice of the order set. CPRS considers all order sets to be extended action types and doesn't prompt the user for the items contained within.

1. Select *Enter/edit order sets* from the Order Menu Management menu

```
OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]

You have PENDING ALERTS
      Enter  "VA  VIEW ALERTS      to review alerts

Select Order Menu Management Option: st Enter/edit order sets
```

2. Enter an order set name (either a pre-existing one or a new one).

```
Select ORDER SET NAME: ?
Answer with ORDER DIALOG NAME
Do you want the entire ORDER DIALOG List? Y (Yes)
Choose from:
  ORZ GMENU AD PROTOCOL
  ORZ GMENU ROPES COURSE VERBAL
  ORZ GMENU SLIDING SCALE INSULI
  ORZ GMENU URINE DRUGS OF ABUSE
  ORZ GSET MAURI
  ORZ GXTEXT NPO AT MN X MEDS
  ORZ GXTEXT NPO X MEDS
  PSJQOS ACET PO/PR
  PSJQOS ACETPO/PR
  PSJQOS ADMIT 3ET
  PSJQOS ADMIT 61C
Press RETURN to continue or ^ to exit: ^
You may enter a new ORDER DIALOG, if you wish
```

Enter/edit order sets, cont'd

```
Select ORDER SET NAME: ZZPRE-OP
  Are you adding 'ZZPRE-OP' as a new ORDER DIALOG? No// Y (Yes)
Do you wish to copy an existing order set? YES// NO
NAME: PRE-OP//<Enter>
DISPLAY TEXT: Pre-Operative Order Set
DESCRIPTION:
  1>A set of standard orders for patients prior to surgery
  2><Enter>
EDIT Option:<Enter>
```

3. Enter the items you want to include in the order set.

```
Select COMPONENT SEQUENCE#: ?
  This field specifies the order in which this item will be displayed
  or processed.

Select COMPONENT SEQUENCE#: 1
SEQUENCE: 1//<Enter>
ITEM: ADMIT PATIENT OR GXMOVE ADMIT PATIENT

Select COMPONENT SEQUENCE#: 2
SEQUENCE: 2//<Enter>
ITEM: Chem 7 LRTZ CHEM 7

Select COMPONENT SEQUENCE#: 3
SEQUENCE: 3//<Enter>
ITEM: CONSULT GMRCOR CONSULT

Select COMPONENT SEQUENCE#: 4
SEQUENCE: 4//<Enter>
ITEM: Allergies GMRAOR ALLERGY ENTER/EDIT

Select COMPONENT SEQUENCE#: <Enter>
```

Enter/Edit Actions [ORCM ACTIONS]

This option provides the equivalent of a feature of OE/RR 2.5 that allowed sites to have access to protocols' entry or exit actions. This enables you to add Surgery or other programs to a CPRS menu.

NOTE: This option is intended for programmers who can modify M code.

```
OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]
```

```
You have PENDING ALERTS
      Enter  "VA"  VIEW ALERTS      to review alerts
```

```
Select Order Menu Management Option: AC  Enter/edit actions
```

```
Select ACTION NAME: ?
```

```
Answer with ORDER DIALOG NAME
```

```
Do you want the entire ORDER DIALOG List? Y  (Yes)
```

```
Choose from:
```

```
LRX NEW COLLECTION TYPE
```

```
LRX NEW TIME
```

```
ZDGOERR TRANSFER
```

```
      This is the name of the dialog; entries that were converted from the
      Protocol file will retain the same name. Namespacing is not required,
      but still encouraged.
```

```
      You may enter a new ORDER DIALOG, if you wish
```

```
      Answer must be 3-63 characters in length.
```

```
Select ACTION NAME: ZDGOERR TRANSFER
```

```
NAME: ZDGOERR TRANSFER// <Enter>
```

```
DISPLAY TEXT: TRANSFER PATIENT// <Enter>
```

```
ENTRY ACTION: D SAVE^ORXD S DGPMT=2 D LO^DGUTL,OREN^DGPMV K VAINDT D
INP^VADPT,READ^ORUTL
```

```
      Replace <Enter>
```

```
EXIT ACTION: K DGPMASIH D RSTR^ORXD  Replace <Enter>
```

```
DESCRIPTION:
```


```
  1><Enter>
```

```
Select ACTION NAME: <Enter>
```

Enter/Edit Order Menus [ORCM MENU]

Use this option to edit the items on an existing order menu or to create new order menus. Order menus in CPRS are just one type of order dialog. All add order menus in CPRS are order menus. Add order menus in CPRS allow great customization. In addition to adding, deleting, and editing items, you now have the ability to insert headers or titles to further organize the ordering items. You may add or delete rows as well, and you can define the exact position of a specific item, as opposed to items shifting when an item is inserted.

To make order menus as convenient as possible, you should try to keep the length of the menu to 17 rows. When the menu is displayed to users, they will only be able to see the first 17 rows of a menu on the first page. Longer menus force users to scroll to the next screen to see all of the available items. This can lead to frustration and mistakes by new users because order items are “hidden” from view.

 **NOTE:** In OE/RR v 2.5, order sets could be created by using the protocol menu type, which allowed the selection of items to be ordered. In CPRS, these order sets are now order menus and allow the same customization as described above.

1. Select *Enter/edit order menus* from the Order Menu Management menu.

```
OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]

You have PENDING ALERTS
      Enter  "VA    VIEW ALERTS          to review alerts

Select Order Menu Management Menu Option: mn Enter/edit order menus
```

2. Select an existing menu to add items to or enter the name of a new menu.

```
Select ORDER MENU: ??
Choose from:
  FHWMENU
  GMRVORMENU
  OR ADD MENU CLINICIAN
  OR GMENU ACTIVITY ORDERS
  OR GMENU ORDER SETS
  OR GMENU OTHER ORDERS
  OR GMENU PATIENT CARE ORDERS
  OR GXMOVE PATIENT MOVEMENT

This is the name of the dialog; entries that were converted from the
Protocol file will retain the same name. Namespacing is not required,
but still encouraged.

Select ORDER MENU: ORZ ADD MENU CLINICIAN
```

Enter/edit order menu, cont'd

3. The menu editor appears. Choose an action (add items, remove items, edit items, etc.). Note that the menu editor has horizontal and vertical coordinates. These let you specify where on the menu to place items.

Menu: ORZ ADD MENU CLINICIAN		Column Width: 26	
1	2	3	4
0 ORDER SETS...	30 PATIENT CARE...	70 LABORATORY...	
1 Patient Movement	31 Condom Catheter	71 Chem 7	
2 Diagnosis	32 Guaiac Stools	72 T&S	
3 Condition	33 Incentive Spirometer	73 Glucose	
+4 Allergies	34 Dressing Change	74 CBC w/Diff	
		75 PT	
10 PARAMETERS...	40 DIETETICS...	76 PTT	
11 TPR B/P	41 Regular Diet	77 CPK	
12 Weight	42 Tubefeeding	78 CPK	
113 I & O	43 NPO at Midnight	79 LDH	
14 Call HO on		80 Urinalysis	
	50 IV FLUIDS...	81 Culture & Suscept	
20 ACTIVITY...	51 OUTPATIENT MEDS...		
21 Ad Lib	55 INPATIENT MEDS...	90 OTHER ORDERS...	
+23 Bed Rest / BRP		91 EKG: Portable	
24 Ambulate TID	60 IMAGING ...		
25 Up in Chair TID	61 Chest 2 views PA&LAT	99 Text Only Order	
+ Next Screen - Prev Screen ?? More Actions >>>			
Add ...	Edit ...	Order Dialogs ...	Quit
Remove ...	Toggle Display	Select New Menu	
Select Action: Quit//			

These numbers represent the columns created when you select a column width of 26

These are the actions available for editing menus

4. Answer the following prompts about the new orderable.

```
Select Action: Quit// A Add Items

Menu Items          Text or Header          Row

Add: M
ITEM: ORZ GXACTV EXERCISE
ROW: 17
COLUMN: 1
DISPLAY TEXT: Exercise
MNEMONIC: 25
ITEM: <Enter>
Rebuilding menu display ...
```


Enter/edit order menus, cont'd

5. The new menu appears with your new item on it. You can now perform any of the actions listed below: Add another item, remove an item, edit, toggle display (to show the technical name of the item; e.g., OR GXACTV), etc.

Menu Editor		Jul 15, 1997 14:01:13	Page: 1 of 1
Menu: ORZ ADD MENU CLINICIAN		Column Width: 26	
1	2	3	4
0 ORDER SETS...	30 PATIENT CARE...	70 LABORATORY...	
1 Patient Movement	31 Condom Catheter	71 Chem 7	
2 Diagnosis	32 Guaiac Stools	72 T&S	
3 Condition	33 Incentive Spirometer	73 Glucose	
+4 Allergies	34 Dressing Change	74 CBC w/Diff	
		75 PT	
10 PARAMETERS...	40 DIETETICS...	76 PTT	
11 TPR B/P	41 Regular Diet	77 CPK	
12 Weight	42 Tubefeeding	78 CPK	
113 I & O	43 NPO at Midnight	79 LDH	
14 Call HO on		80 Urinalysis	
	50 IV FLUIDS...	81 Culture & Suscept	
20 ACTIVITY...	51 OUTPATIENT MEDS...		
21 Ad Lib	55 INPATIENT MEDS...	90 OTHER ORDERS...	
+23 Bed Rest / BRP		91 EKG: Portable	
24 Ambulate TID	60 IMAGING ...		
25 Exercise	61 Chest 2 views PA&LAT	99 Text Only Order	
+ Next Screen - Prev Screen ?? More Actions >>>			
Add ...	Edit ...	Order Dialogs ...	Quit
Remove ...	Toggle Display	Select New Menu	
Select Action: Quit// A Add Items			

Dietetics Order Menu Example

- 1. Select Enter/edit order menus, then enter ZFHMENU for Dietetics.**

```
Select Order Menu Management Option: Enter/edit order menus
Select ORDER MENU: ZFHMENU
```

2. Select the Add action.

Menu Editor		Jul 15, 1997 16:11:17		Page:1 of 1	
Menu: ZFHWMENU			Column Width: 40		
1	2				
1	Diet Order				
2	NPO N1 NPO Now				
3	Early/Late Tray N2 NPO at Midnight				
4	Tubefeeding				
+5	Additional Orders				
7	Isolation/Precautions				
1					
+					
+ Next Screen - Prev Screen ?? More Actions >>>					
Add ...	Edit ...	Order Dialogs ...	Quit		
Remove ...	Toggle Display	Select New Menu			
Select Action: Quit// A ADD					

Enter/edit Order Menus, cont'd

Menu Editor		Jul 15, 1997 16:11:17	Page:	1 of 1
Menu: ZFHWMENU			Column Width: 40	
1		2		
1	Diet Order			
2	NPO	N1 NPO Now		
3	Early/Late Tray	N2 NPO at Midnight		
4	Tubefeeding			
+ 5	Additional Orders			
7	Isolation/Precautions			
1				
+				
+ Next Screen - Prev Screen ?? More Actions >>>				
Menu Items		Text or Header	Row	
Add:	M			

3. Answer the following prompts about the new orderable.

```
ITEM: ZFWH9
ROW: 4
COLUMN: 2
DISPLAY TEXT: Junk Food
MNEMONIC: JF
ITEM: <Enter>
```

Rebuilding menu display ...

```

Menu Editor                               Jul 15, 1997 16:20:20          Page: 1 of 1
Menu: ZFWHMENU                          Column Width: 40
 1                                     2
1      Diet Order
2                                     N1      NPO Now
3      Early/Late Tray                N2      NPO at Midnight
4      Tubefeeding                    JF      Junk Food
+5      Additional Orders
7      Isolation/Precautions

+ Next Screen  - Prev Screen  ?? More Actions  >>>
Add ...      Edit ...      Order Dialogs ...      Quit
Remove ...   Toggle Display  Select New Menu

Select Action: Quit//


```

4. If you choose Order Dialogs, you will see the same options that are on the Order Menu Management menu.

Convert Protocols	Prompts	Quick Orders	Actions
Orderables	Generic Orders	Order Sets	
Select:			

Convert Protocols [ORCM PROTOCOLS]

This option lets you convert individual protocols that were used in OE/RR 2.5 to CPRS.

 **NOTE:** Most protocols currently on OE/RR 2.5 menus at a site are automatically converted to CPRS menus. However, many quick orders created by sites have entry and exit actions containing M code, which the conversion utility can't convert. Some protocols will not convert because they were not placed on a menu that was converted. You will then receive a bulletin or mail message such as the following:

Unconverted Protocol Bulletin Example

```
Subj:OE/RR Version 3 Protocol File Conversion [#2642630] 27 Jan 99 16:07
From: ORDER ENTRY/RESULTS REPORTING in 'IN' basket. Page 1
-----
```

The following 4 protocol(s) were not successfully converted to a new entry in the Order Dialog file (#101.41). Use options on the Order Menu Management Menu to correct or create dialogs for these protocols, if desired.

```
Protocol IEN      Protocol Name
-----
2359              GMRVORQ0
Missing or invalid orderable item(s).
```

```
2651              PSJQ2 Mylanta II
Unable to convert quick order.
```

```
2663              PSJQ14 Tegretol 2
Unable to convert quick order.
```

```
2716              PSJQ25 Tegretol 2
Unable to convert quick order.
```

```
Select MESSAGE Action: IGNORE (in IN basket)//
```

1. Select *Convert Protocols* from the Order Menu Management menu.

```
OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]
```

```
Select Order Menu Management Option: CP  Convert protocols
```

2. Enter the protocol name that you want to convert.

```
Select PROTOCOL NAME: ?  
  Answer with PROTOCOL NAME, or ITEM TEXT, or SYNONYM, or ACCESS, or  
    SET MEMBERSHIP  
  Do you want the entire 3405-Entry PROTOCOL List? N (NO)  
Select PROTOCOL NAME: LRTZ CHOLESTEROL SERUM MARBLED  
Add this item to the same menus again? YES// <Enter>  
Converting ...done
```

If the protocol wasn't fixed correctly, you'll receive a message such as:

```
Converting...unable to convert.  
>>>Unknown application protocol.
```

Unconverted Inpatient Pharmacy protocols

If you have pharmacy quick orders that didn't convert, contact IRM to see if PSS*1*14 was loaded and to see who has been given access to the options from that patch.

Search/Replace Components [ORCM SEARCH/REPLACE]

This option lets you search for a specific component (orderable item, order dialog, order set, protocol, etc.). You can then replace any or all instances of the component with a new component or delete the component. The option displays the ancestors of the component to let you choose which instances to change.

Example

```
OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]

Select Order Menu Management Option: SR Search/replace components
Search for: LRTZ
  1    LRTZ CBC
  2    LRTZ CBC W/DIFF
  3    LRTZ GLUCOSE SERUM
  4    LRTZ UA
CHOOSE 1-4: 1

Ancestors of LRTZ CBC
-----
Name                                         Type
-----
1    ORZ ADD MENU CLINICIAN                 menu
2    LRZ TEST SET                          order set
-----

Replace LRTZ CBC with: ?

Enter the name of the item you to replace this one with, or @ to remove
this item; to quit without changing anything, press <return>.

Replace LRTZ CBC with: LRTZ CBC W/DIFF
Replace in: 1-2// 1

Are you ready? NO// YES

Replacing LRTZ CBC with LRTZ CBC W/DIFF in:
  ORZ ADD MENU CLINICIAN ...done.

Search for: <Enter>

OI      Enter/edit orderable items [ORCM ORDERABLES]
PM      Enter/edit prompts [ORCM PROMPTS]
GO      Enter/edit generic orders [ORCM ORDERS]
QO      Enter/edit quick orders [ORCM QUICK ORDERS]
ST      Enter/edit order sets [ORCM ORDER SETS]
AC      Enter/edit actions [ORCM ACTIONS]
MN      Enter/edit order menus [ORCM MENU]
CP      Convert protocols [ORCM PROTOCOLS]
SR      Search/replace components [ORCM SEARCH/REPLACE]

Select Order Menu Management Option: <Enter>
```

This prompt lets you select which of the ancestors of this component to change. If you take the default (which will always include all of the ancestors), you will replace or delete all instances of this component.

IV. Appendix: Order Set Examples

Samples of West Palm Beach order sets

NOTE: West Palm Beach enters “AXA” as the first letters of their order sets, as a distinguishing designation.

ER Order Menu:

Menu: AXA ER LAB ORDERS

Column Width: 26

1		2		3		4
	CARDIAC	15	ASAP AMYLASE	43	STAT URINALYSIS	
1	STAT CBC + DIFF	16	LIPASE			
2	STAT CHEM 7	17	STAT PT/PTT		DIABETIC	
3	STAT CALCIUM	18	STAT URINALYSIS	61	STAT CBC + DIFF	
+4	STAT MAGNESIUM			62	STAT CHEM 7	
5	STAT ALBUMIN		ETOH/DRUG INGESTION	63	ASAP ACETONE	
6	STAT PT/PTT	31	STAT CBC + DIFF	64	STAT URINALYSIS	
7	STAT URINALYSIS	32	STAT CHEM 7	65	RT orders (abg gas)	
8	CK AND CK-MB	33	STAT ETOH LEVEL			
1		34	STAT TOX PROFILE PLUS		ADDITIONAL	
	GI	35	STAT URINALYSIS	90	BLOOD CULTURE	
11	STAT CBC + DIFF	36	STAT PT/PTT	91	BLOOD CX X 2 (15MIN)	
12	STAT CHEM 7	37	STAT CALCIUM			
13	ASAP LIVER 1	38	STAT MAGNESIUM	97	Microbiology	
+14	ASAP LIVER 2	39	STAT LIVER 1	98	Laboratory ...	
		40	STAT LIVER 2	99	Lab Tests by Name	

General Admission Order Set:

1	Admit to	11	Inpatient Meds PRN ...
2	Diagnosis	12	IV Fluids
3	Condition	13	Laboratory ...
4	Enter/Edit Patient Allergies	14	Lab Order Sets ...
5	Dietetic Orders ...	15	Imaging ...
6	Activity/Privileges ...	16	Consults
7	Vital Signs ...	17	Attending MD for care of Patient
8	Nursing Care ...	18	Code Status (DNR)
9	Isolation / Precautions ...		
10	Inpatient Medications		

Psychiatry Admission Order Set:

1	Admit to	13	Mental Health
2	Diagnosis	14	Lab Order Sets ...
3	Mental Health Condition	15	Imaging
4	Enter/Edit Patient Allergies	16	Consults
5	Dietetic Orders	17	MH Discharge Data
6	Mental Health Activity Order		
7	Vital Signs ...		
8	Nursing Care ...	30	Streichenwein Admit
9	Seclusion/Restraint	31	Streichenwein Detox
10	Isolation / Precautions ...	32	Mental Health Observation Orders
11	MH PRN medication		
12	Laboratory ...		

Order Set Examples

Detox Admission Order Set:

1	Admit to 4C	14	KAOLIN/PECTIN 30ML MAX 6/DAY
2	Diagnosis	15	PYRIDOXINE 50MG PO QD
3	Dietetic Orders	16	MAGNESIUM OXIDE 400MG PO BID
4	Allergies	17	MULTIVITAMIN 1 TAB PO QD
5	Mental Health Activity Order	18	FOLIC ACID 1MG PO QD
6	Vital Signs MH	19	THIAMINE 100MG PO QD
7	Lab: Routine admission	20	Librium 25mg PO QID X 24h (day 1)
8	CHEST	21	Librium 25mg PO TID X 24h (day 2)
9	Electrocardiogram	22	Librium 25mg PO BID X 24h (day 3)
10	MOM 60ML BID PRN	23	Librium 25mg PO once (day 4)
11	AL/MG OH SUSP 15ML PO Q2H PRN		
12	ACETAMINOPHEN 650MG PO Q4H PRN	25	Librium 50mg PO q4h prn X 96h
13	DIPHENHYDRAMINE 50MG PO QHS PRN		